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455-10-13

Dr. W. L. Ball

November 9, 1950.

**Comments on Urinary Analyses Reported by Dr. Stanton**  
(Arsenic at Yellowknife)

A summary of all urinary analyses reported in the file is presented below.

<u>Sample</u>	<u>Remarks</u>	<u>Data</u>	<u>Average</u>	<u>Comments</u>
Feb.16/50	None	0.12 p.p.m.		
	"	0.32 "	0.14 ppm	0.32 p.p.m. appears significantly high.
	"	0.08 "		
May 9/50	Unselected	0.017 p.p.m.		
	"	0.002 "	0.010 "	Average appears significantly low.
	"	0.012 "		
May 20/50	None	.01 p.p.m.		
	Dermatitis	.016 "	0.015 "	Average appears significantly low.
	Fever	.02 "		
May 23/50	Ailing	0.05 p.p.m.	0.075 "	Very close to overall average
	Airmen	0.10 p.p.m.		
Sept./50	Control	0.020 p.p.m.		
	"	0.017 "	0.021 "	These results are not remarkable except in their close agreement within themselves.
	Ailing	0.026		
Overall Average			0.06 "	This is not a reliable average due to wide range and limited number of samples.

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General Comments:

Reference is made in letters to analyses which are not reported in the file (Bevan's). These would be valuable to have.

No conclusions as to the probable average amount of arsenic in the urine or the dangerous level can be obtained from this data.

It would be very interesting to have a large number of urinary arsenic analyses which could be correlated chronologically and geographically with the analyses on water.

It is suggested that consideration be given to haemoglobin and red blood cell analyses as a means of following the course of arsenic poisoning.

Industrial Toxicologist.